

ctccgcgg ctctaaaccg cgcttgcta aggtccgcg gaaccgtga gccaccgaga gagcagagaa 70  
 ctgcgcgcg ccaaacagcc cagctcgcg ttcagcgtcc cggcgccgtc gccgactcct ccg 130  
  
 atg gcc aca gat gtc ttt aat tcc aaa aac ctg gcc gtt cag gca caa aag aag atc 190  
 1 M A T D V F N S K N L A V Q A Q K K I  
 ttg ggt aaa atg gtg tcc aaa tcc atc gcc acc tta ata gac gac aca agt agt 247  
 20 L G K M V S K S I A T T L I  
 gag gtg ctg gat gag ctc tac aga gtg acc agg gag tac acc caa aac aag aag gag 304  
 39  
 gca gag aag atc atc aag aac ctc atc aag aca gtc atc aag ctg gcc att ctt tat 361  
 58  
 agg aat aat cag ttt aat caa gat gag cta gca ttg atg gag aaa ttt aag aag aaa 418  
 77  
 gtt cat cag ctt gct atg acc gtg gtc agt ttc cat cag gtg gat tat acc ttt gac 475  
 96 A M T V V S F H Q V D Y T F D  
 cgg aat gtg tta tcc agg ctg tta aat gaa tgc aga gag atg ctg cac caa atc att 532  
 96 R N V L S R L L N E C R E M L H Q I I  
 cag cgc cac ctc act gcc aag tca cat gga cgg gtt aat aat gtc ttt gat cat ttt 589  
 134 Q R H L T A K S H G R V N N V F D H F  
 tca gat tgt gaa ttt ttg gct gcc ttg tat aat cct ttt ggg aat ttt aaa ccc cac 700  
 153 S D C E F L A A L Y N P F G N F K P H  
 tta caa aaa cta tgt gat ggt atc aac aaa atg ttg gat gaa gag aac ata tga 770  
 172 L Q K L C D G I N K M L D E E N I \*  
 gcacatgagt taagattgtg acgatcatg atttattga agatggagca ctgctgattt atgaaggaaa 770  
 aaagaagaat ttctaaaga ttacacatat ttcaagaaga ctttacccaa ttccagttgtc agacataatg 840  
 atttattga aggcctgttt tattgaaga aaagcatatt gccaaaaatt ctggttaaaa gcttcctaatt 910  
 gggtaacaga ccatgggaga gatattggt tgggtaatgc gaatgtagtt atacaaagaa aaatcacagt 980  
 gtctccagac ctgaggactt ttaaataggc cggttgtgtg ttgtatgta ctttcttaa aatgccaaaga 1050  
 tacaaagcta tgtattttga ttactttca ttcttgcta tgtatatga ctttcttaa aatgccaaaga 1120  
 acttctctt gctatcattg ctcttttga aacaattcaa ttttcattgc tacagctgac tgtttgta 1190  
 agatlgagtc atcgacattc aggatttaag tctgaggtag tcaacctca ggaataaaat aatgcttat 1260  
 ctgaaatcag tactgtgtaa atgaactata ttactattta tgaataatgt ccagtataag aatagcttc 1330  
 tggattgag ttctctttt aagtaccaat gatactttaa ttctcagaa atgtaattgt gtgtcattgc 1400  
 ctgaaatgc ttgcttaggg ctcttttat gttactttaa aaagtctggt tgaattttcc atttttaca 1470  
 tccatttcac atgtaagaga caaaaagtc tagatggc ttgatatga gataataaa agtaagtagc 1540  
 attaagaag gtaacaatct tcattctaca gatgaactca ttgaacaat ttagggaat gagggcaaa 1610  
 agggagagaa tactgctaaa gaactgagc ataaaaatgc gtgcgtttca gtgttlaaga aggttgata 1680  
 aagaatgtca cttttttatt taactgataa gattttgtt atttttact ttgataagta aaccaagaa 1750  
 tatttgtatt tcaagcagtt tgtgtgtgtg ttctatataa ttttctgtgt ataaataata aagtaggcatt 1820  
 ttgtttattt tgaataaaag aaatgaaaat ctgctggcca gctatgtcct ctaggaaatg acagacccaa 1890  
 ccaccagc cttttt cattc cattg 1915

FIG. 1

# **A** Death-effector-domain

Human SCC-S2	34	DDTSSEVLDELRYMTREYTONKKEAEKIKNLTIVIKLAILYRNNQFNQDDELALTEKFKKRVHOL	99
Mouse CASH $\alpha/\beta$	112	NDVSSLVF--LTREYTRDYTGRCGKIAD--KSFQDLVLEKL--NLIADELNLKCLKNHRA	170
Human CASH $\alpha/\beta$	107	SDVSSLVF--LMK---GYMGRGKIEKE--KSFQDLVLEKL--NLVAPDLDLKCLKNHRA	162
Mouse FLIP (L)	112	NDVSSLVF--LTREYTRDYTGRCGKIAD--KSFQDLVLEKL--NLIADELNLKCLKNHRA	167
Human FLIP (L)	107	SDVSSLVF--LMK---GYMGRGKIEKE--KSFQDLVLEKL--NLVAPDLDLKCLKNHRA	162
Mouse FLICE (Casp8)	115	LLRSFKF--L---LNNEIPKCKLEDD--LLEIFMEVEKR--TMLAENLETNSICDVVMS	170
Human FLICE (Casp8)	115	SLRSFKF--L---LQSEIKCKLDDED--MNLIDIFIMEVEKR--VILGGGLDRLKRVCAHMS	170

# **B** Viral sequences

Human SCC-S2	37	SEVLDELRYMTREYTONKKEAEKIKNLTIVIKLAILYRNNQFNQDDELALTEKFKKRVHOL	89
Human Poliovirus 1 VP1	469	QOISDQTEETNMVTS--TI--TEKMKNLIKI--SSL--I--TRNY--DT--TVLAT--	519
Human Poliovirus 2 Polyprotein	1046	QOISDQTEETNMVTS--TI--TEKMKNLIKI--SSL--I--TRNY--DT--TVLAT--	1096
Human Poliovirus 3 Polyprotein	1045	QOISDQTEETNMVTS--TI--TEKMKNLIKI--SSL--I--TRNY--DT--TVLAT--	1095
Human Poliovirus 1 P2-3b	167	QOISDQTEETNMVTS--TI--TEKMKNLIKI--SSL--I--TRNY--DT--TVLAT--	217
Human SCC-S2	37	SSEVLDELRYMTREYTONKKEAEKIKNLTIVIKLAILYRNNQFNQDDELALTEKFKKRVHOL	88
Vaccinia virus DNA Polymerase	789	SSNSKSVPERINKGTS--T--REYVSKFHKN--IKTYKTLE--LSEG--MNE--C	841

Human SCC-S2	31	TLIDDTSEVLDELRYMTREYTONKKEAEKIKNLTIVIKLAILYRNNQFNQDDELALTEKFKKRVHOL	72
Canine Adenovirus DNA Pol	741	TLIPDTRITVFPPEWKCKAREYVQLNISAK--EAKS--KNQ--AKL	786

# **C** Vinculin family talin binding region protein motif

Human SCC-S2	55	KKAEKIKNLTIVIKLAILYRNNQFNQDDELALTEKFKKRVHOL	VVSFHV	109
Human $\alpha 1$ (E)-Catenin	746	AKIAAGSR--DKL--RT--ADHCP--SACKQDLLAY--G--IALYCHQLN	SKVKA	800
Human $\alpha 2$ (E)-Catenin	745	AKIAAGSR--DKL--RA--ADQCP--SACKQDLLAY--G--IALYCHQLN	SKVKA	799
Human Vinculin	951	AKIAAKSDE--T--L--K--AKQCT--K--IR--LLQ--CE--IPTISTQLK	LSTVKA	1005

**FIG. 2**

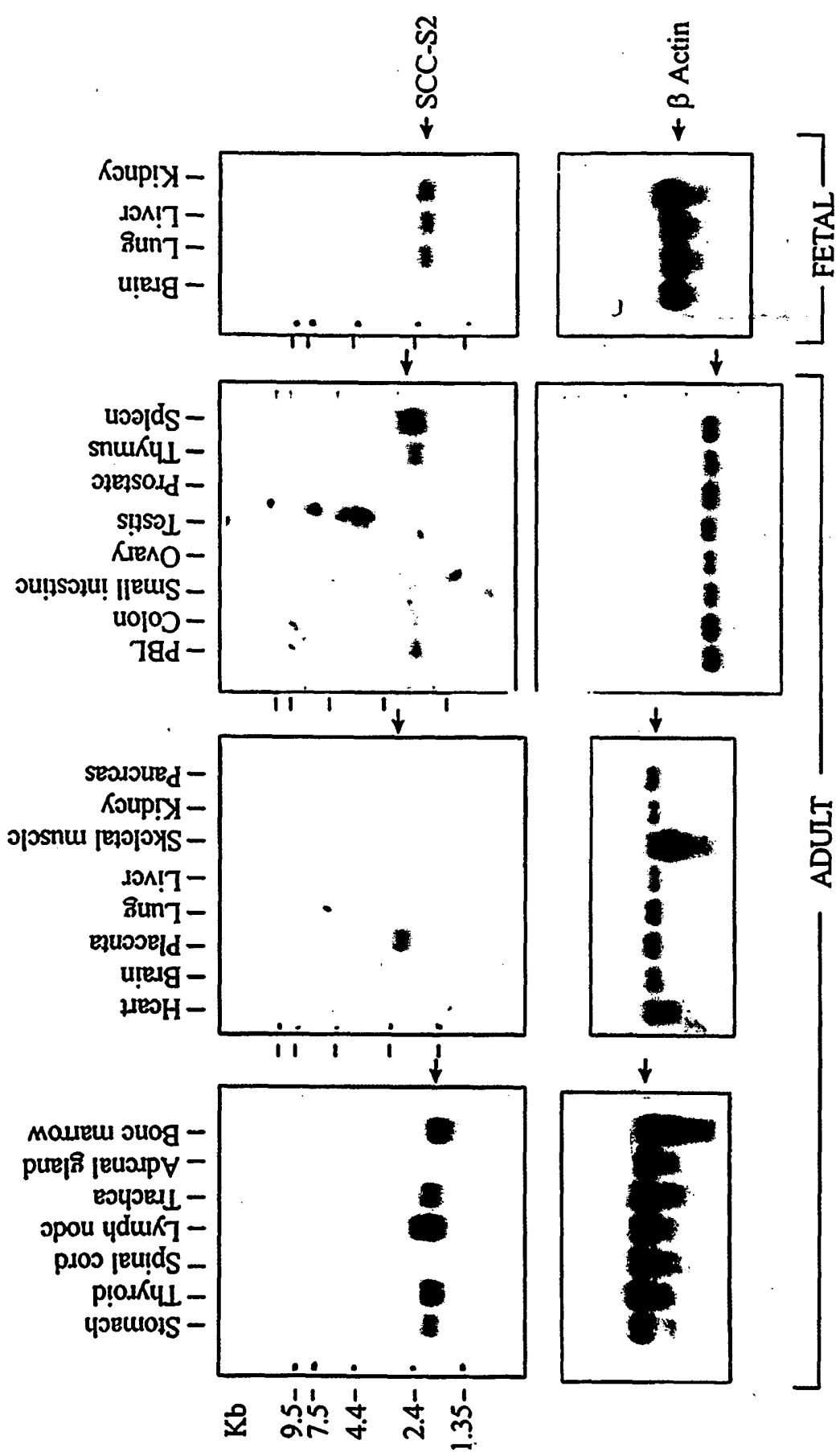


FIG. 3

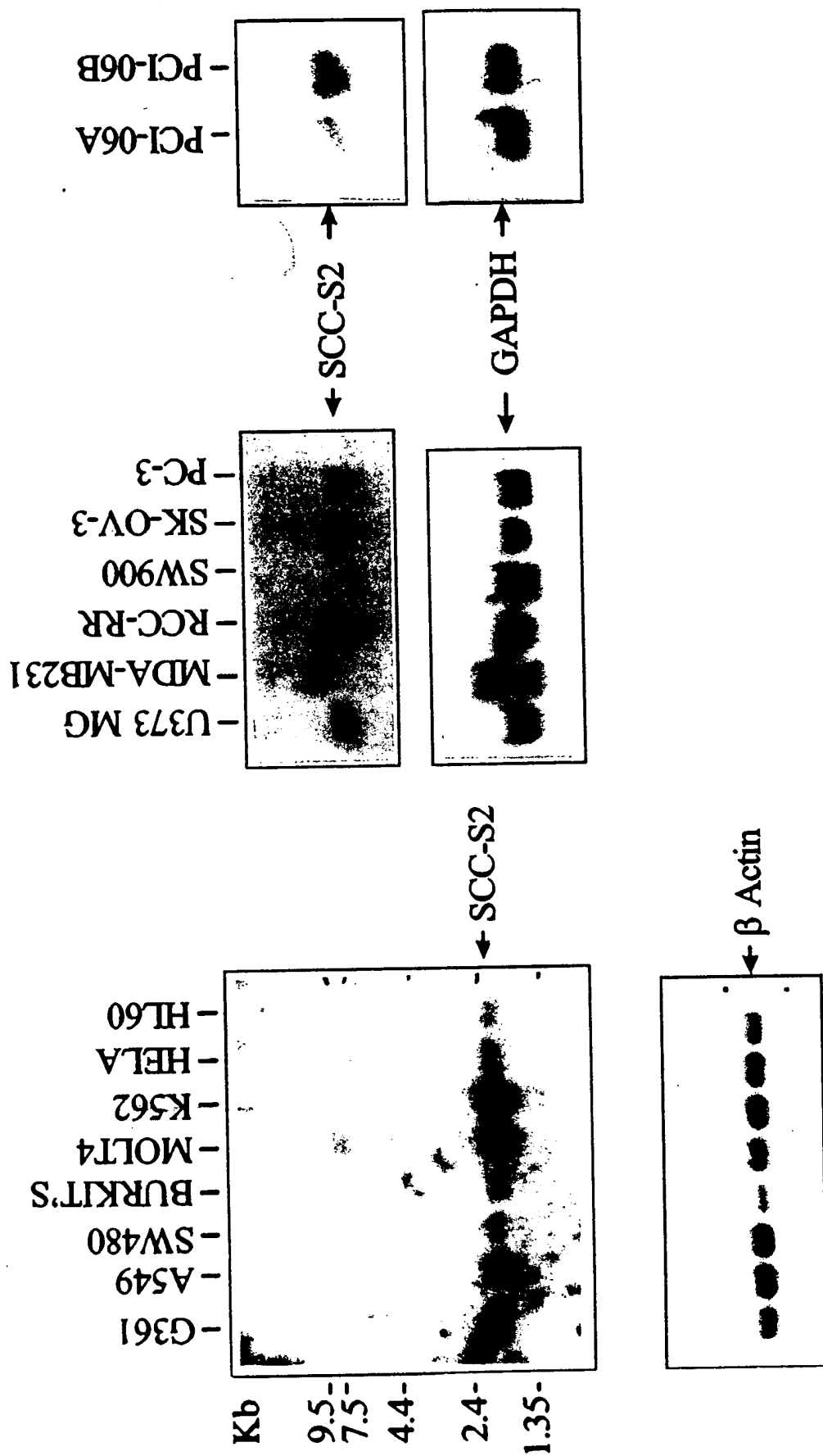
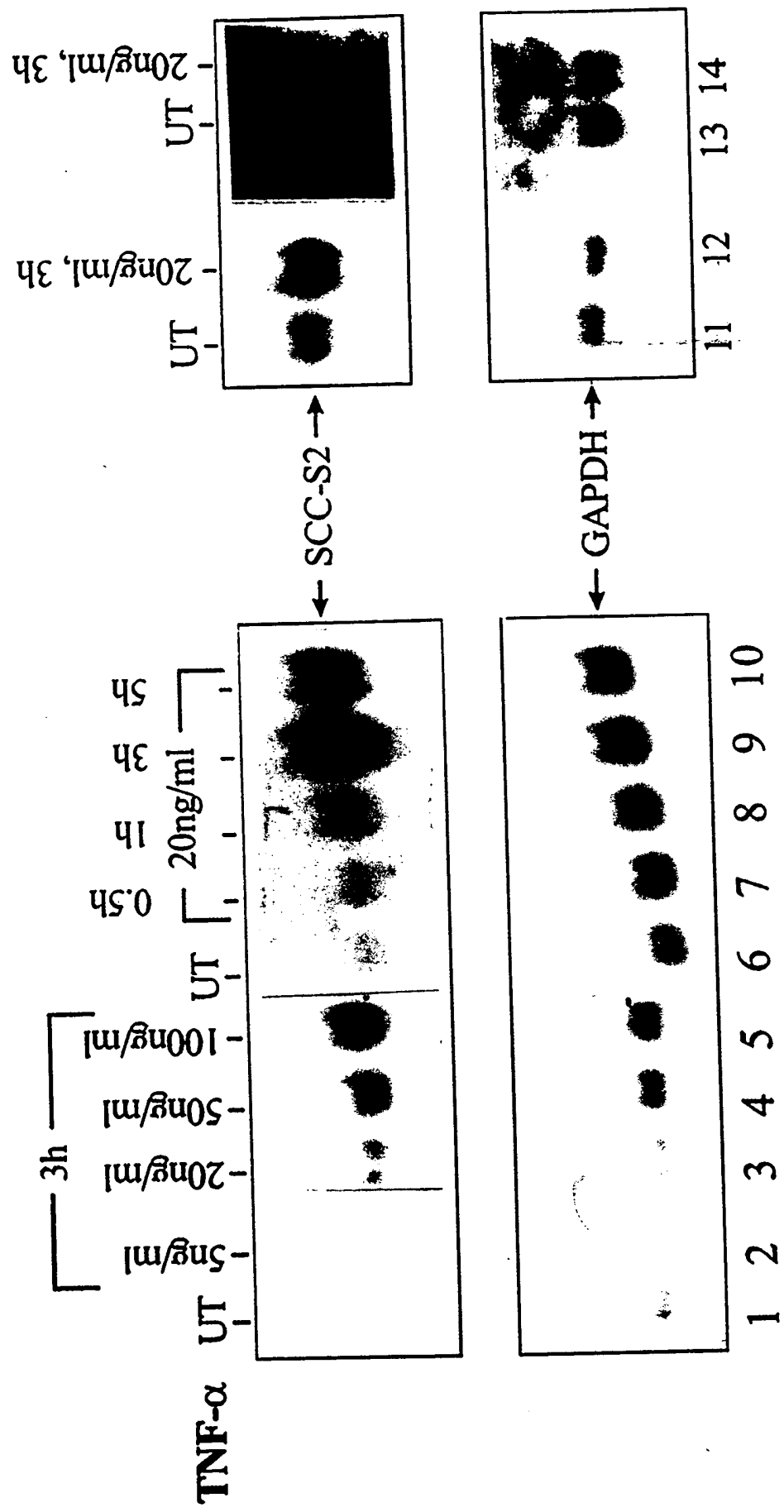


FIG. 4



**FIG. 5**

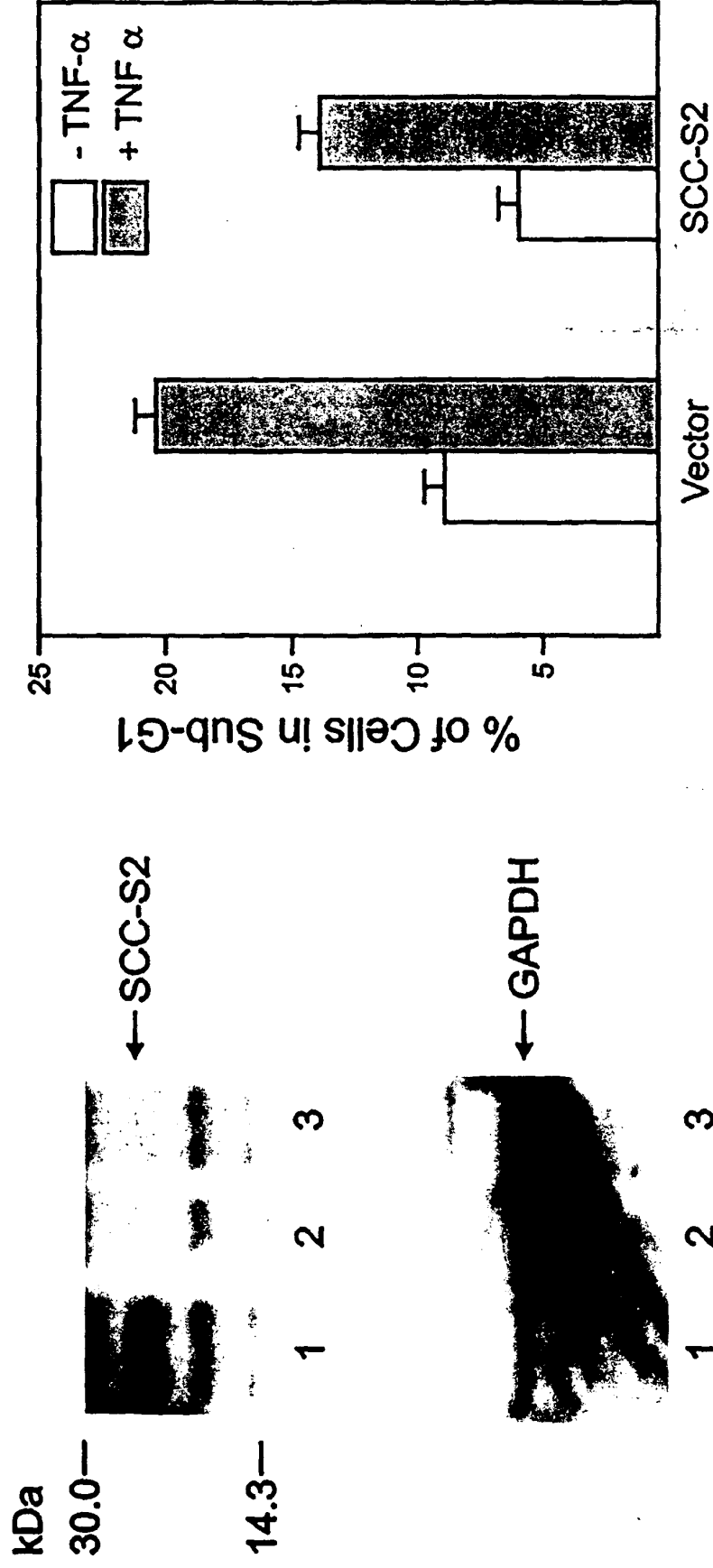
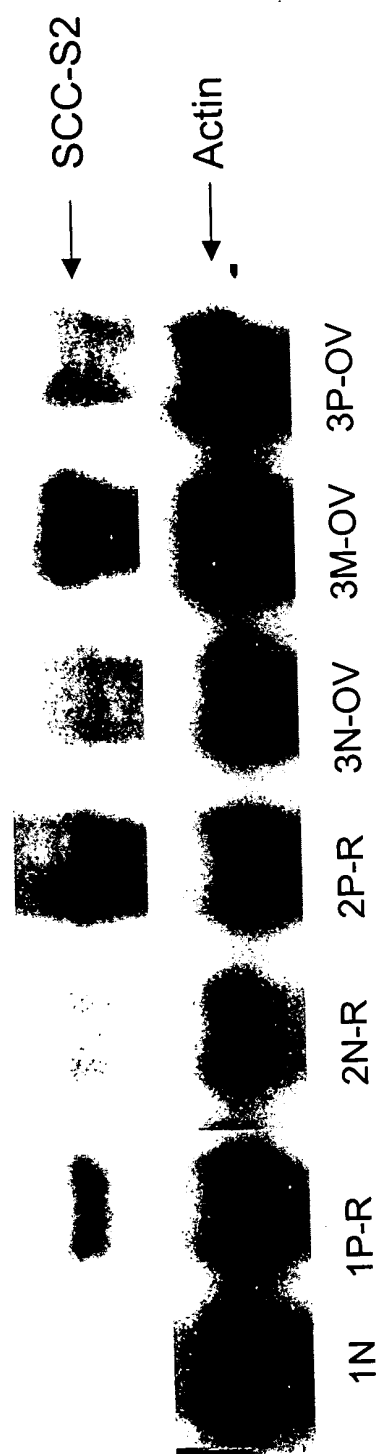


FIG. 6



**FIG. 7**

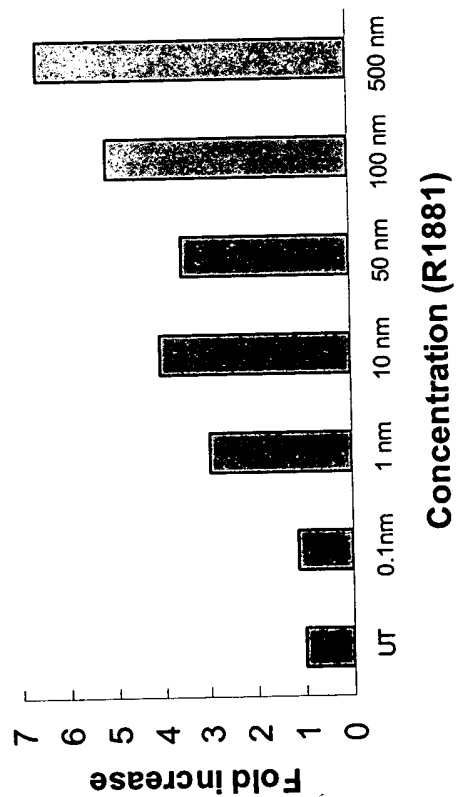
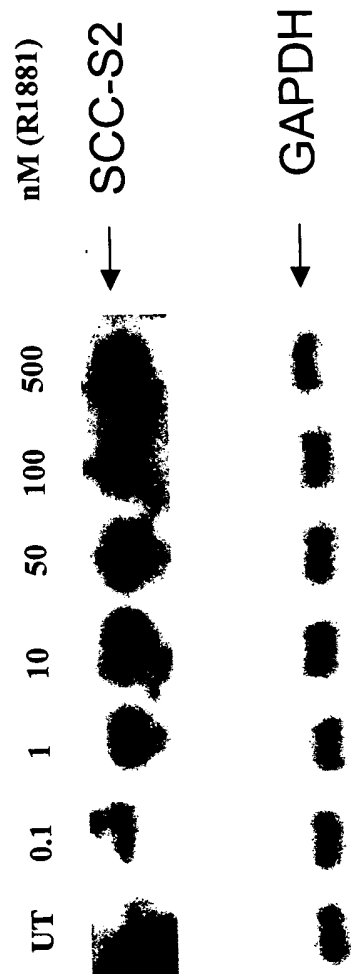
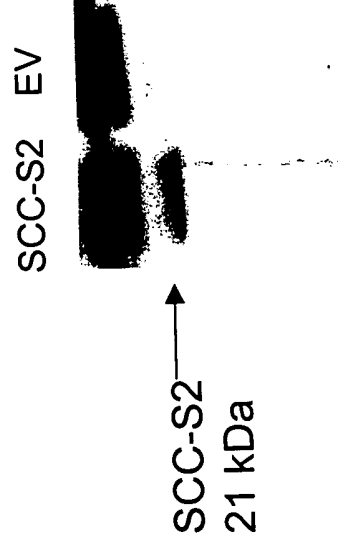
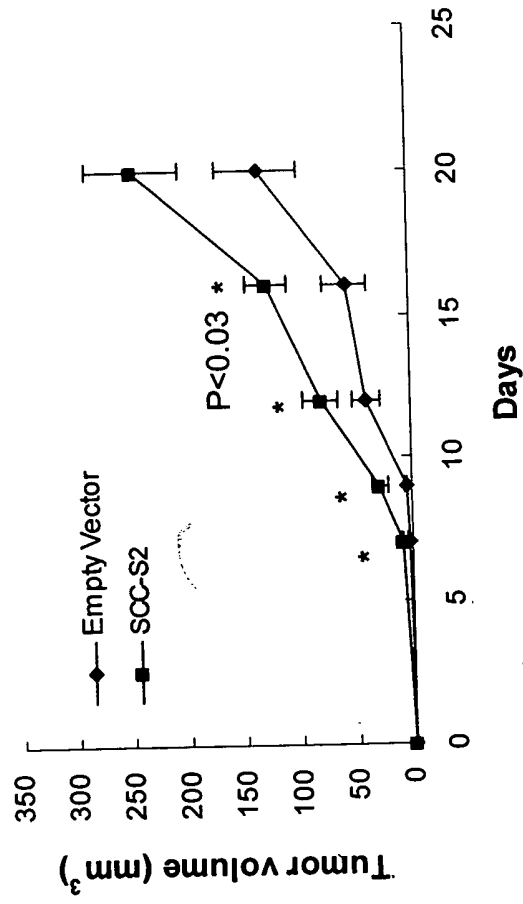
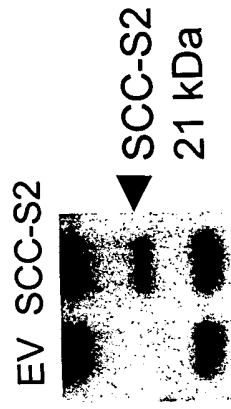
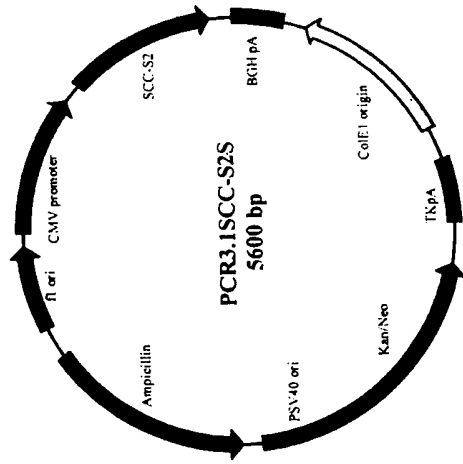


FIG. 8





**FIG. 9**